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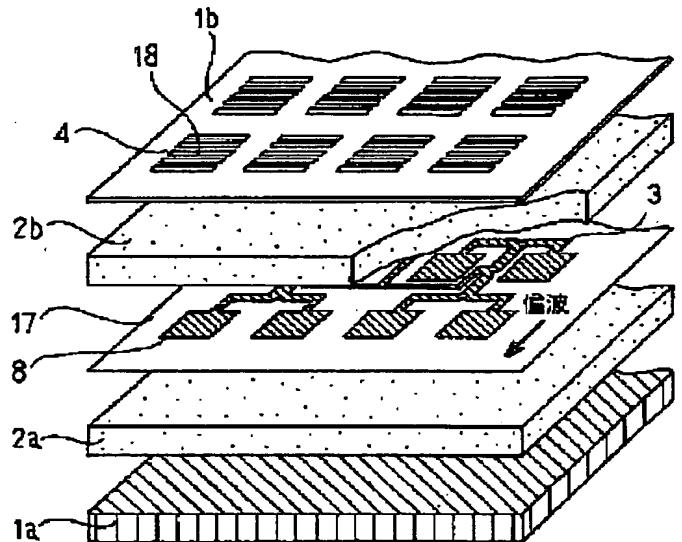
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TITLE : MILLIMETER WAVE BAND PLANE
ANTENNA



ABSTRACT : PROBLEM TO BE SOLVED: To suppress a cross polarized wave component of the millimeter wave band plane antenna and to provide a small sized antenna with a high efficiency and a high function.

SOLUTION: A radiation element 8 and a feeder 3 are laminated to an upper side of a ground conductor layer 1 via a dielectric body 2a, and a radiation window 4 and a polarized wave grid 18 provided to a ground conductor 16 via a dielectric spacer 2b are formed to the upper side. The polarized wave grid is provided to the radiation window of the millimeter wave band plane antenna in the lengthwise direction perpendicular to a polarized wave of the radiation element to obtain the characteristics in which the cross polarized wave component is suppressed.

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